Sheng-Ao

List of Publications by Year in Descending Order

72 papers	3,180 citations	29 h-index	56 g-index
78 ext. papers	3,906 ext. citations	4.6 avg, IF	5.5 L-index

#	Paper	IF	Citations
72	Zinc isotope evidence for carbonate alteration of oceanic crustal protoliths of cratonic eclogites. *Earth and Planetary Science Letters*, **2022**, 580, 117394	5.3	1
71	Tracing carbonate dissolution in subducting sediments by zinc and magnesium isotopes. *Geochimica Et Cosmochimica Acta*, **2022**, 319, 56-72	5.5	3
70	Copper Isotope Fractionation during Basalt Leaching at 25 ℃ and pH = 0.3, 2. *Journal of Earth Science (Wuhan, China)*, **2022**, 33, 82-91	2.2	1
69	Cu and Zn Isotopic Evidence for the Magnitude of Organic Burial in the Mesoproterozoic Ocean. *Journal of Earth Science (Wuhan, China)*, **2022**, 33, 92-99	2.2	1
68	Carbonated Big Mantle Wedge Extending to the NE Edge of the Stagnant Pacific Slab: Constraints from Late Mesozoic-Cenozoic Basalts from Far Eastern Russia. *Journal of Earth Science (Wuhan, China)*, **2022**, 33, 121-132	2.2	1
67	Zinc isotopic systematics of the Mt. Baekdu and Jeju Island intraplate basalts in Korea, and implications for mantle source lithologies. *Lithos*, **2022**, 416-417, 106659	2.9	1
66	Contrasting fates of subducting carbon related to different oceanic slabs in East Asia. *Geochimica Et Cosmochimica Acta*, **2022**, 324, 156-173	5.5	2
65	The fate of subducting carbon tracked by Mg and Zn isotopes: A review and new perspectives. *Earth-Science Reviews*, **2022**, 228, 104010	10.2	4
64	Chromium isotope fractionation during magmatic processes: Evidence from mid-ocean ridge basalts. *Geochimica Et Cosmochimica Acta*, **2022**, 327, 79-95	5.5	0
63	Felsic volcanism as a factor driving the end-Permian mass extinction. *Science Advances*, **2021**, 7, eabh1390	14.3	8
62	Evolution of Intraplate Alkaline to Tholeiitic Basalts via Interaction Between Carbonated Melt and Lithospheric Mantle. *Journal of Petrology*, **2021**, 62,	3.9	6
61	Magnesium and zinc isotopic anomaly of Cenozoic lavas in central Myanmar: Origins and implications for deep carbon recycling. *Lithos*, **2021**, 386-387, 106011	2.9	3
60	Molybdenum isotope tracing petrogenesis of adakitic rocks and associated ore-forming process. *Geochimica Et Cosmochimica Acta*, **2021**, 300, 296-317	5.5	2
59	Oxidation of the deep big mantle wedge by recycled carbonates: Constraints from highly siderophile elements and osmium isotopes. *Geochimica Et Cosmochimica Acta*, **2021**, 295, 207-223	5.5	7
58	Antimony isotope fractionation in hydrothermal systems. *Geochimica Et Cosmochimica Acta*, **2021**, 306, 84-97	5.5	7
57	Zinc isotopic behavior of mafic rocks during continental deep subduction. *Geoscience Frontiers*, **2021**, 12, 101182	6	7
56	Zinc isotope fractionation between Cr-spinel and olivine and its implications for chromite crystallization during magma differentiation. *Geochimica Et Cosmochimica Acta*, **2021**, 313, 277-294	5.5	6

55	Mg and Zn Isotope Evidence for Two Types of Mantle Metasomatism and Deep Recycling of Magnesium Carbonates. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB020684	3.6	14
54	Contrasting zinc isotopic fractionation in two mafic-rock weathering profiles induced by adsorption onto Fe (hydr)oxides. *Chemical Geology*, **2020**, 539, 119504	4.2	12
53	Extreme Mg and Zn isotope fractionation recorded in the Himalayan leucogranites. *Geochimica Et Cosmochimica Acta*, **2020**, 278, 305-321	5.5	16
52	Zinc, cadmium and sulfur isotope fractionation in a supergiant MVT deposit with bacteria. *Geochimica Et Cosmochimica Acta*, **2019**, 265, 1-18	5.5	12
51	Redox reactions control Cu and Fe isotope fractionation in a magmatic Ni□Cu mineralization system. *Geochimica Et Cosmochimica Acta*, **2019**, 249, 42-58	5.5	19
50	Initial Cu enrichment in sources of giant porphyry deposits revealed by Cu isotopes. *Acta Geologica Sinica*, **2019**, 93, 255-256	0.7	
49	Tracing the Deep Carbon Cycle Using Metal Stable Isotopes: Opportunities and Challenges. *Engineering*, **2019**, 5, 448-457	9.7	25
48	Cu isotopes reveal initial Cu enrichment in sources of giant porphyry deposits in a collisional setting. *Geology*, **2019**, 47, 135-138	5	39
47	Cu and Zn isotope fractionation during oceanic alteration: Implications for Oceanic Cu and Zn cycles. *Geochimica Et Cosmochimica Acta*, **2019**, 257, 191-205	5.5	29
46	Zinc Isotope Constraints on Recycled Oceanic Crust in the Mantle Sources of the Emeishan Large Igneous Province. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 12537-12555	3.6	16
45	High-Precision Measurement of Stable Cr Isotopes in Geological Reference Materials by a Double-Spike TIMS Method. *Geostandards and Geoanalytical Research*, **2019**, 43, 647-661	3.6	4
44	Zinc isotopic compositions of migmatites and granitoids from the Dabie Orogen, central China: Implications for zinc isotopic fractionation during differentiation of the continental crust. *Lithos*, **2019**, 324-325, 454-465	2.9	16
43	Generation of leucogranites via fractional crystallization: A case from the Late Triassic Luoza batholith in the Lhasa Terrane, southern Tibet. *Gondwana Research*, **2019**, 66, 63-76	5.1	22
42	Basaltic and Solution Reference Materials for Iron, Copper and Zinc Isotope Measurements. *Geostandards and Geoanalytical Research*, **2019**, 43, 163-175	3.6	18
41	Zinc and strontium isotope evidence for climate cooling and constraints on the Frasnian-Famennian (~372 Ma) mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2018**, 498, 68-82	2.9	25
40	Fractionation of Mg isotopes by clay formation and calcite precipitation in groundwater with long residence times in a sandstone aquifer, Ordos Basin, China. *Geochimica Et Cosmochimica Acta*, **2018**, 237, 261-274	5.5	19
39	Cadmium Isotope Ratios of Standard Solutions and Geological Reference Materials Measured by MC-ICP-MS. *Geostandards and Geoanalytical Research*, **2018**, 42, 593-605	3.6	24
38	Zn-Sr isotope records of the Ediacaran Doushantuo Formation in South China: diagenesis assessment and implications. *Geochimica Et Cosmochimica Acta*, **2018**, 239, 330-345	5.5	20

37	Calibrating NIST SRM 683 as a new international reference standard for Zn isotopes. *Journal of Analytical Atomic Spectrometry*, **2018**, 33, 1777-1783	3.7	15
36	Compositional transition in natural alkaline lavas through silica-undersaturated melt–lithosphere interaction. *Geology*, **2018**, 46, 771-774	5	33
35	Transition From Low-K to High-K Calc-Alkaline Magmatism at Approximately 84 Ma in the Eastern Pontides (NE Turkey): Magmatic Response to Slab Rollback of the Black Sea. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 7604-7628	3.6	18
34	Iron isotopic compositions of adakitic and non-adakitic granitic magmas: Magma compositional control and subtle residual garnet effect. *Geochimica Et Cosmochimica Acta*, **2017**, 203, 89-102	5.5	30
33	Zinc isotope evidence for intensive magmatism immediately before the end-Permian mass extinction. *Geology*, **2017**, 45, 343-346	5	59
32	Copper isotope fractionation during sulfide-magma differentiation in the Tulaergen magmatic Ni–Cu deposit, NW China. *Lithos*, **2017**, 286-287, 206-215	2.9	31
31	Copper isotopic compositions of the Zijinshan high-sulfidation epithermal Cu–Au deposit, South China: Implications for deposit origin. *Ore Geology Reviews*, **2017**, 83, 191-199	3.2	10
30	Zinc isotope fractionation during mantle melting and constraints on the Zn isotope composition of Earth's upper mantle. *Geochimica Et Cosmochimica Acta*, **2017**, 198, 151-167	5.5	86
29	Assembly of the Lhasa and Qiangtang terranes in central Tibet by divergent double subduction. *Lithos*, **2016**, 245, 7-17	2.9	321
28	Magnesium isotopic heterogeneity across the cratonic lithosphere in eastern China and its origins. *Earth and Planetary Science Letters*, **2016**, 451, 77-88	5.3	22
27	Copper isotope behavior during extreme magma differentiation and degassing: a case study on Laacher See phonolite tephra (East Eifel, Germany). *Contributions To Mineralogy and Petrology*, **2016**, 171, 1	3.5	18
26	Copper and zinc isotope fractionation during deposition and weathering of highly metalliferous black shales in central China. *Chemical Geology*, **2016**, 445, 24-35	4.2	52
25	Copper and zinc isotope fractionation during deposition and weathering of highly metalliferous black shales in central China. *Chemical Geology*, **2016**, 422, 82	4.2	15
24	Late Jurassic sodium-rich adakitic intrusive rocks in the southern Qiangtang terrane, central Tibet, and their implications for the Bangong–Nujiang Ocean subduction. *Lithos*, **2016**, 245, 34-46	2.9	39
23	Magnesium isotopic composition of the deep continental crust. *American Mineralogist*, **2016**, 101, 243-252	2.9	30
22	Copper isotopic signature of the Tiegelongnan high-sulfidation copper deposit, Tibet: implications for its origin and mineral exploration. *Mineralium Deposita*, **2016**, 51, 591-602	4.8	21
21	Mg, Sr, and O isotope geochemistry of syenites from northwest Xinjiang, China: Tracing carbonate recycling during Tethyan oceanic subduction. *Chemical Geology*, **2016**, 437, 109-119	4.2	57
20	Zinc isotope evidence for a large-scale carbonated mantle beneath eastern China. *Earth and Planetary Science Letters*, **2016**, 444, 169-178	5.3	98

19	Copper and zinc isotope systematics of altered oceanic crust at IODP Site 1256 in the eastern equatorial Pacific. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 7086-7100	3.6	33
18	Magnesium Isotopic Compositions of International Geological Reference Materials. *Geostandards and Geoanalytical Research*, **2015**, 39, 329-339	3.6	112
17	Copper isotopic composition of the silicate Earth. *Earth and Planetary Science Letters*, **2015**, 427, 95-103	5.3	86
16	Eocene magmatic processes and crustal thickening in southern Tibet: Insights from strongly fractionated ca. 43Ma granites in the western Gangdese Batholith. *Lithos*, **2015**, 239, 128-141	2.9	34
15	Magmatic record of India-Asia collision. *Scientific Reports*, **2015**, 5, 14289	4.9	212
14	Copper isotope fractionation during adsorption onto kaolinite: Experimental approach and applications. *Chemical Geology*, **2015**, 396, 74-82	4.2	48
13	Copper and iron isotope fractionation during weathering and pedogenesis: Insights from saprolite profiles. *Geochimica Et Cosmochimica Acta*, **2014**, 146, 59-75	5.5	82
12	Northward subduction of Bangong–Nujiang Tethys: Insight from Late Jurassic intrusive rocks from Bangong Tso in western Tibet. *Lithos*, **2014**, 205, 284-297	2.9	117
11	Geochronology and geochemistry of leucogranites from the southeast margin of the North China Block: Origin and migration. *Gondwana Research*, **2014**, 26, 1111-1128	5.1	18
10	High-precision copper and iron isotope analysis of igneous rock standards by MC-ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 122-133	3.7	115
9	Origin of the Miocene porphyries and their mafic microgranular enclaves from Dabu porphyry Cu–Mo deposit, southern Tibet: implications for magma mixing/mingling and mineralization. *International Geology Review*, **2014**, 56, 571-595	2.3	26
8	Zircon U–Pb ages, Hf–O isotopes and trace elements of Mesozoic high Sr/Y porphyries from Ningzhen, eastern China: Constraints on their petrogenesis, tectonic implications and Cu mineralization. *Lithos*, **2014**, 200-201, 299-316	2.9	39
7	Contrasting zircon Hf–O isotopes and trace elements between ore-bearing and ore-barren adakitic rocks in central-eastern China: Implications for genetic relation to Cu–Au mineralization. *Lithos*, **2013**, 156-159, 97-111	2.9	111
6	The origin and evolution of low-$\delta^{18}O$ magma recorded by multi-growth zircons in granite. *Earth and Planetary Science Letters*, **2013**, 373, 233-241	5.3	21
5	The Cretaceous adakitic–basaltic–granitic magma sequence on south-eastern margin of the North China Craton: Implications for lithospheric thinning mechanism. *Lithos*, **2012**, 134-135, 163-178	2.9	60
4	Post-collisional granitoids from the Dabie orogen: New evidence for partial melting of a thickened continental crust. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 3815-3838	5.5	200
3	High-temperature inter-mineral magnesium isotope fractionation in mantle xenoliths from the North China craton. *Earth and Planetary Science Letters*, **2011**, 308, 131-140	5.3	86
2	Geochemical contrasts between early Cretaceous ore-bearing and ore-barren high-Mg adakites in central-eastern China: Implications for petrogenesis and Cu–Au mineralization. *Geochimica Et Cosmochimica Acta*, **2010**, 74, 7160-7178	5.5	243

1	Investigation of magnesium isotope fractionation during granite differentiation: Implication for Mg isotopic composition of the continental crust. *Earth and Planetary Science Letters*, **2010**, 297, 646-654	5.3	125